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SECTION 1. IDENTIFICATION

Product name : Sikalastic Primer-173 Formerly MSeal P 173

Product code : 00000000050380469

Manufacturer or supplier's details

Company name of supplier : Sika MBCC US LLC

Address : 201 POLITO AVE

Lyndhurst NJ 07071

Emergency telephone : ChemTel: +1-813-248-0585

Recommended use of the chemical and restrictions on use

Recommended use : Product for construction chemicals

Restrictions on use : Reserved for industrial and professional use.

SECTION 2. HAZARDS IDENTIFICATION

GHS classification in accordance with 29 CFR 1910.1200

Flammable liquids : Category 2

Skin corrosion/irritation : Category 2

Serious eye damage/eye

irritation

Category 2A

Reproductive toxicity : Category 2

Specific target organ toxicity

- single exposure

Category 3 (Narcotic effects)

Specific target organ toxicity

- repeated exposure

Category 2 (Central nervous system)

Short-term (acute) aquatic

hazard

Category 2

Long-term (chronic) aquatic

hazard

Category 3

GHS label elements

Hazard pictograms







Signal Word : Danger

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Hazard Statements : H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness. H361d Suspected of damaging the unborn child.

H373 May cause damage to organs (Central nervous system, Liver, Kidney) through prolonged or repeated exposure. H412 Harmful to aquatic life with long lasting effects.

H401 Toxic to aquatic life.

Precautionary Statements

Prevention:

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P271 Use only outdoors or in a well-ventilated area.

P243 Take action to prevent static discharges.

P273 Avoid release to the environment.

P260 Do not breathe dust or mist.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P240 Ground and bond container and receiving equipment.

P242 Use only non-sparking tools.

P264 Wash face, hands and any exposed skin thoroughly after handling.

P241 Use explosion-proof electrical/ ventilating/ lighting equipment.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

P314 Get medical advice/ attention if you feel unwell.

P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P332 + P313 If skin irritation occurs: Get medical advice/ attention.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

P362 + P364 Take off contaminated clothing and wash it before

P370 + P378 In case of fire: Use water spray, alcohol-resistant

foam, dry chemical or carbon dioxide to extinguish. P308 + P311 IF exposed or concerned: Call a POISON

CENTER/ doctor.

Storage:

P233 Keep container tightly closed.

P403 + P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

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Disposal:

P501 Dispose of contents/container to appropriate hazardous

waste collection point.

Other hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : polymers

organic solvents

Components

Chemical name	CAS-No.	Concentration (% w/w)
toluene	108-88-3	>= 25 - < 50
1-methoxy-2-propylacetate	108-65-6	>= 15 - < 20
calcium oxide	1305-78-8	>= 1 - < 3
xylene	1330-20-7	>= 1 - < 3

SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.

Show this material safety data sheet to the doctor in attend-

ance.

Symptoms of poisoning may appear several hours later.

Do not leave the victim unattended.

If inhaled : Consult a physician after significant exposure.

If unconscious, place in recovery position and seek medical

advice.

In case of skin contact : If skin irritation persists, call a physician.

If on skin, rinse well with water. If on clothes, remove clothes.

In case of eye contact : Immediately flush eye(s) with plenty of water.

Remove contact lenses. Protect unharmed eye.

Keep eye wide open while rinsing.

If eye irritation persists, consult a specialist.

If swallowed : Keep respiratory tract clear.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician. Take victim immediately to hospital.

Most important symptoms and effects, both acute and

delayed

Causes skin irritation.

Causes serious eye irritation.

May cause drowsiness or dizziness.

Suspected of damaging the unborn child.

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Notes to physician Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : Alcohol-resistant foam

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

High volume water jet

Specific hazards during fire

fighting

Do not allow run-off from fire fighting to enter drains or water

courses.

Further information Collect contaminated fire extinguishing water separately. This

must not be discharged into drains.

Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations.

For safety reasons in case of fire, cans should be stored sepa-

rately in closed containments.

Use a water spray to cool fully closed containers.

Special protective equipment:

for fire-fighters

Wear self-contained breathing apparatus for firefighting if nec-

essary.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protec- :

tive equipment and emer-

gency procedures

Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.

Beware of vapors accumulating to form explosive concentra-

tions. Vapors can accumulate in low areas.

Environmental precautions Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

respective authorities.

Methods and materials for

containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local

/ national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion

Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge

(which might cause ignition of organic vapors).

Use only explosion-proof equipment.

Keep away from open flames, hot surfaces and sources of

ignition.

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Advice on safe handling : Avoid formation of aerosol.

Do not breathe vapors/dust.

Avoid exposure - obtain special instructions before use.

Avoid contact with skin and eyes. For personal protection see section 8.

Smoking, eating and drinking should be prohibited in the ap-

plication area.

Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Persons susceptible to skin sensitization problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being

used.

Conditions for safe storage : no smoking

Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage. Observe label precautions.

Electrical installations / working materials must comply with

the technological safety standards.

Further information on stor-

age conditions

Keep container tightly closed and in a well-ventilated place.

Keep away from heat.

Avoid all sources of ignition: heat, sparks, open flame.

Materials to avoid : Segregate from foods and animal feeds.

Further information on stor-

age stability

No decomposition if stored and applied as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ingredients with workplace control parameters

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
toluene	108-88-3	TWA value	20 ppm	ACGIHTLV
		REL value	100 ppm 375 mg/m3	NIOSH
		STEL value	150 ppm 560 mg/m3	NIOSH
		TWA value	100 ppm 375 mg/m3	29 CFR 1910.1000 (Table Z-1-A)
		STEL value	150 ppm 560 mg/m3	29 CFR 1910.1000 (Table Z-1-A)





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1	ı	1	1	
		max. conc.	500 ppm	29 CFR
				1910.1000
				(Table Z-2)
		CLV	300 ppm	29 CFR
				1910.1000
				(Table Z-2)
		TWA value	200 ppm	29 CFR
				1910.1000
				(Table Z-2)
		TWA	20 ppm	ACGIH
		TWA	100 ppm	NIOSH REL
			375 mg/m3	
		ST	150 ppm	NIOSH REL
			560 mg/m3	
		TWA	200 ppm	OSHA Z-2
		CEIL	300 ppm	OSHA Z-2
		Peak	500 ppm	OSHA Z-2
			(10 minutes)	00, 12.2
		TWA	100 ppm	OSHA P0
		1 447 (375 mg/m3	0011/110
		STEL	150 ppm	OSHA P0
		OILL	560 mg/m3	OGNATO
calcium oxide	1305-78-8	TWA value	2 mg/m3	ACGIHTLV
Calciant Oxide	1303 70 0	REL value	2 mg/m3	NIOSH
		PEL PEL	5 mg/m3	29 CFR
		FEL	5 mg/ms	1910.1000
				(Table Z-1)
		TWA value	5 mg/m3	29 CFR
		I WA Value	5 mg/ms	1910.1000
				(Table Z-1-A)
		TWA	2 mg/m3	ACGIH
		TWA		NIOSH REL
		TWA	2 mg/m3	
			5 mg/m3	OSHA Z-1
		TWA	5 mg/m3	OSHA P0
xylene	1330-20-7	TWA value	100 ppm	ACGIHTLV
		STEL value	150 ppm	ACGIHTLV
		PEL	100 ppm	29 CFR
			435 mg/m3	1910.1000
				(Table Z-1)
		TWA value	100 ppm	29 CFR
			435 mg/m3	1910.1000
				(Table Z-1-A)
		STEL value	150 ppm	29 CFR
			655 mg/m3	1910.1000
				(Table Z-1-A)
		REL value	100 ppm	NIOSH
			435 mg/m3	
		STEL value	150 ppm	NIOSH
			655 mg/m3	
		TWA	100 ppm	OSHA Z-1
			435 mg/m3	
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH





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STEL	150 ppm 655 mg/m3	OSHA P0
TWA	100 ppm 435 mg/m3	OSHA P0

Engineering measures : No applicable information available.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the occupa-

tional exposure limits they must use appropriate certified

respirators.

Hand protection

Remarks : The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Eye wash bottle with pure water

Tightly fitting safety goggles

Wear face-shield and protective suit for abnormal processing

problems.

Skin and body protection : Impervious clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Protective measures : Avoid inhalation of dusts/mists/vapours.

Avoid contact with the skin, eyes and clothing.

Avoid prolonged and/or repeated contact with the skin. Handle in accordance with good building materials hygiene

and safety practice.

Hygiene measures : When using do not eat or drink.

When using do not smoke.

Wash hands before breaks and at the end of workday.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : liquid

Color : amber

Odor : strong, solvent

pH : Not applicable

Freezing point : No data available

Boiling point : approx. 232.00 - 484.00 °F / 111.11 - 251.11 °C

Flash point : 64.99 °F / 18.33 °C

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Evaporation rate : No applicable information available.

Flammability (solid, gas) : Highly flammable.

Upper explosion limit / Upper

flammability limit

7.1 %(V)

Lower explosion limit / Lower

flammability limit

1.0 %(V)

Vapor pressure : No data available

Relative vapor density : Heavier than air.

Relative density : No applicable information available.

Density : approx. 1.07 g/cm3 (68 °F / 20 °C)

Solubility(ies)

Water solubility : insoluble (68 °F / 20 °C)

Solubility in other solvents : No applicable information available.

Partition coefficient: n-

octanol/water

No applicable information available.

Autoignition temperature : No data available

Decomposition temperature : Vapors may form explosive mixture with air.

No decomposition if stored and handled as pre-

scribed/indicated.

Viscosity

Viscosity, kinematic : $> 60 \text{ mm2/s} (104 \degree \text{F} / 40 \degree \text{C})$

Explosive properties : Not explosive

Not explosive

Oxidizing properties : not fire-propagating

Sublimation point : No applicable information available.

Molecular weight : No applicable information available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No decomposition if stored and applied as directed.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reac- : No decomposition if stored and applied as directed.

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tions Vapors may form explosive mixture with air.

Conditions to avoid : Heat, flames and sparks.

Incompatible materials : Strong oxidizing agents

Hazardous decomposition

products

No hazardous decomposition products if stored and handled

as prescribed/indicated.

SECTION 11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Product:

Acute oral toxicity : Remarks: No applicable information available.

Acute inhalation toxicity : Remarks: No applicable information available.

Acute dermal toxicity : Remarks: No applicable information available.

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/eye irritation

Causes serious eye irritation.

Respiratory or skin sensitization

Skin sensitization

Not classified based on available information.

Respiratory sensitization

Not classified based on available information.

Germ cell mutagenicity

Not classified based on available information.

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Suspected of damaging the unborn child.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Product:

No aspiration hazard expected.

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Further information

Product:

Remarks : Symptoms of overexposure may be headache, dizziness,

tiredness, nausea and vomiting.

Concentrations substantially above the TLV value may cause

narcotic effects.

Solvents may degrease the skin.

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Harmful to aquatic life with long lasting effects.

Persistence and degradability

No data available

Bioaccumulative potential

Product:

Bioaccumulation : Species: orfe, golden

Bioconcentration factor (BCF): 90

Exposure time: 3 d Concentration: 0.05 mg/l

Remarks: Information taken from reference works and the

literature.

Components:

toluene:

Partition coefficient: n- : log Pow: 2.73 (68 °F / 20 °C)

octanol/water pH: 7

Method: other (measured)

GLP: no data

Remarks: Information taken from reference works and the

literature.

Mobility in soil

No data available

Other adverse effects

Product:

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

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Toxic to aquatic life.

Harmful to aquatic life with long lasting effects.

The product has not been tested. The statements on ecotoxicology have been derived from the properties of the individual

components.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of in accordance with national, state and local regula-

tions.

Do not contaminate ponds, waterways or ditches with chemi-

cal or used container.

Do not discharge into drains/surface waters/groundwater.

Contaminated packaging : Contaminated packaging should be emptied as far as possible

and disposed of in the same manner as the sub-

stance/product.

Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

UN number : UN 1263
Proper shipping name : PAINT
Class : 3
Packing group : II
Labels : 3

IATA-DGR

UN/ID No. : UN 1263
Proper shipping name : PAINT
Class : 3

Packing group : II

Labels : Flammable Liquids

Packing instruction (cargo : 364

aircraft)

Packing instruction (passen: 353

ger aircraft)

IMDG-Code

UN number : UN 1263 Proper shipping name : PAINT

Class : 3
Packing group : II
Labels : 3
EmS Code : F-E, S-E
Marine pollutant : no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

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Domestic regulation

49 CFR

UN/ID/NA number : UN 1263 Proper shipping name : PAINT

Class : 3 Packing group : II

Labels : FLAMMABLE LIQUID

ERG Code : 128 Marine pollutant : no

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ	Calculated product RQ
		(lbs)	(lbs)
toluene	108-88-3	1000	2896
xylene	1330-20-7	100	4409

SARA 313 : The following components are subject to reporting levels es-

tablished by SARA Title III, Section 313:

toluene 108-88-3

xylene 1330-20-7

ethylbenzene 100-41-4

US State Regulations

Pennsylvania Right To Know

toluene 108-88-3 calcium oxide 1305-78-8 xylene 1330-20-7

New Jersey Right To Know

toluene 108-88-3 calcium oxide 1305-78-8 xylene 1330-20-7 ethylbenzene 100-41-4

California Prop. 65

WARNING: This product can expose you to chemicals including ethylbenzene, which is/are known to the State of California to cause cancer, and

toluene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

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The ingredients of this product are reported in the following inventories:

TSCA : All chemical substances in this product are either listed as

active on the TSCA Inventory or are in compliance with a

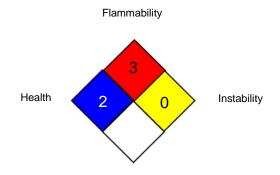
TSCA Inventory exemption.

DSL : All components of this product are on the Canadian DSL

SECTION 16. OTHER INFORMATION

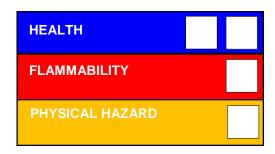
Further information

NFPA 704:



Special hazard

HMIS® IV:



HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard.

Full text of other abbreviations

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1-A (29 CFR 1910.1000)

1-A)

29 CFR 1910.1000 (Table Z- : OSHA - Table Z-1 (Limits for Air Contaminants) 29 CFR

1)

29 CFR 1910.1000 (Table Z- : OSHA Table Z-2 (Toxic and Hazardous Substances) 29 CFR 1910.1000

2) 1910.1000 ACGIH : USA. ACGIH Threshold Limit Values (TLV)

ACGIHTLV : American Conference of Governmental Industrial Hygienists -

threshold limit values (US)

NIOSH : NIOSH Pocket Guide to Chemical Hazards (US)
NIOSH REL : USA. NIOSH Recommended Exposure Limits

OSHA PO : USA. OSHA - TABLE Z-1 Limits for Air Contaminants -

1910.1000

OSHA Z-1 : USA. Occupational Exposure Limits (OSHA) - Table Z-1 Lim-

its for Air Contaminants

OSHA Z-2 : USA. Occupational Exposure Limits (OSHA) - Table Z-2

29 CFR 1910.1000 (Table Z- : Short Term Exposure Limit (STEL):

1-A) / STEL value

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

1-A) / TWA value

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29 CFR 1910.1000 (Table Z- : Permissible exposure limit

1) / PEL

29 CFR 1910.1000 (Table Z- : Ceiling Limit Value:

2) / CLV

29 CFR 1910.1000 (Table Z- : Time Weighted Average (TWA):

2) / TWA value

29 CFR 1910.1000 (Table Z- : Maximum concentration:

2) / max. conc.

ACGIH / TWA : 8-hour, time-weighted average ACGIH / STEL : Short-term exposure limit

ACGIHTLV / STEL value : Short Term Exposure Limit (STEL):
ACGIHTLV / TWA value : Time Weighted Average (TWA):
NIOSH / REL value : Recommended exposure limit (REL):
NIOSH / STEL value : Short Term Exposure Limit (STEL):

NIOSH REL / TWA : Time-weighted average concentration for up to a 10-hour

workday during a 40-hour workweek

NIOSH REL / ST : STEL - 15-minute TWA exposure that should not be exceeded

at any time during a workday

OSHA P0 / TWA : 8-hour time weighted average
OSHA P0 / STEL : Short-term exposure limit
OSHA Z-1 / TWA : 8-hour time weighted average
OSHA Z-2 / TWA : 8-hour time weighted average
OSHA Z-2 / CEIL : Acceptable ceiling concentration

OSHA Z-2 / Peak : Acceptable maximum peak above the acceptable ceiling con-

centration for an 8-hr shift

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System: IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI -Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RQ -Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Sub-

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stance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

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We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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